

NOTES

ASSUMED LIVE LOAD -----MS18 OR ALTERNATE LOADING.

DESIGN FILL-------LEFT EXTENSION = 1.55 DESIGN FILL------RIGHT EXTENSION = 1.69

FOR OTHER DESIGN DATA AND NOTES SEE STANDARD NOTE SHEET.

76mm Ø WEEP HOLES INDICATED TO BE IN ACCORDANCE WITH THE SPECIFICATIONS.

CONCRETE IN CULVERTS TO BE POURED IN THE FOLLOWING ORDER:

1. WING FOOTINGS AND FLOOR SLAB INCLUDING 100mm OF ALL VERTICAL WALLS.

2. THE REMAINING PORTIONS OF THE WALLS AND WINGS FULL HEIGHT FOLLOWED BY ROOF SLAB AND HEADWALLS.

THE RESIDENT ENGINEER SHALL CHECK THE LENGTH OF CULVERT BEFORE STAKING IT OUT TO MAKE CERTAIN THAT IT WILL PROPERLY TAKE ARE OF THE FILL.

DIMENSIONS FOR WING LAYOUT AS WELL AS ADDITIONAL REINFORCING STEEL EMBEDDED IN BARREL ARE SHOWN ON WING SHEET.

TRANSVERSE CONSTRUCTION JOINTS SHALL BE USED IN THE BARREL, SPACED TO LIMIT THE POURS TO A MAXIMUM OF 21.0m. LOCATION OF JOINTS SHALL BE SUBJECT TO APPROVAL OF THE ENGINEER.

AT THE CONTRACTOR'S OPTION, HE MAY SPLICE THE VERTICAL REINFORCING STEEL IN THE INTERIOR FACE OF EXTERIOR WALL AND BOTH FACES OF INTERIOR WALLS ABOVE LOWER WALL CONSTRUCTION JOINT. THE SPLICE LENGTH SHALL BE AS PROVIDED IN THE SPLICE LENGTH CHART SHOWN ON THE PLANS. EXTRA WEIGHT OF STEEL DUE TO THE SPLICES SHALL BE PAID FOR BY THE CONTRACTOR.

DOWELS SHALL BE USED TO CONNECT THE CULVERT EXTENSION TO THE EXISTING CULVERT AS SHOWN, FOR NOTE REGARDING SETTING OF DOWELS, SEE SHEET SNSM.

REMOVAL OF EXISTING CONCRETE AND BONDING OF NEW CONCRETE SHALL BE IN ACCORDANCE WITH ARTICLE 420-11 OF THE STANDARD SPECIFICATIONS, EXCEPT THAT EXISTING REINFORCING STEEL IN THE WINGS SHALL BE CUT OFF FLUSH WITH THE CONCRETE. DOWELS SHALL BE USED TO CONNECT THE CULVERT EXTENSION TO THE EXISTING CULVERT AS SHOWN. FOR NOTE REGARDING SETTING OF DOWELS, SEE SHEET SNSM.

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.

ALL ELEVATIONS ARE IN METERS.

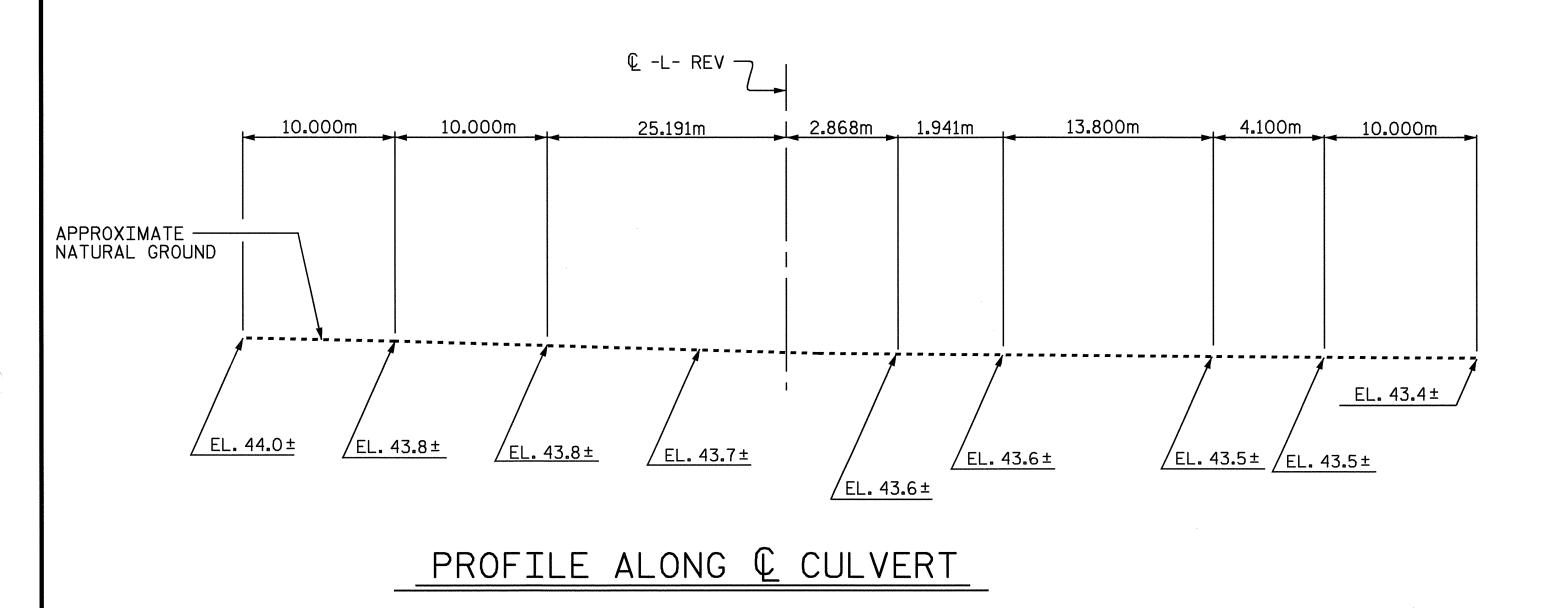
A 900mm STRIP OF FILTER FABRIC SHALL BE ATTACHED TO THE FILL FACE OF THE WING COVERING THE ENTIRE LENGTH OF THE EXPANSION JOINT.

NO PRECAST REINFORCED BOX CULVERT OPTION WILL BE ALLOWED.

FOR SUBMITTAL OF WORKING DRAWINGS, SEE SPECIAL PROVISIONS.

FOR FALSEWORK AND FORMWORK, SEE SPECIAL PROVISIONS.

FOR EROSION CONTROL DETAILS AND PAY ITEM, SEE EROSION CONTROL PLANS.

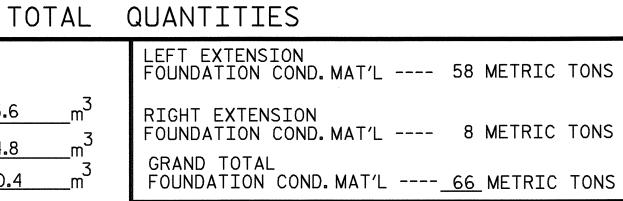


ASSEMBLED BY: Neil M. Ruffin

CHECKED BY : J.D.HAWK"

DATE: 8/3/04
DATE: 8/27/04

LEFT EXTENSION CLASS A CONCRETE			L F
BARREL @1.52m ³ /m	45.6	m ³	R
WINGS ETC.	4.8	m ³	F
TOTAL		m ³	F
RIGHT EXTENSION			
CLASS A CONCRETE BARREL @1.64m ³ /m	6.7	m ³	
	7.5	''' 	
WINGS ETC		m ³	
TOTAL	10.2	m3	
GRAND TOTAL CLASS A CONCRETE	60.6	m ³	
LEFT EXTENSION REINFORCING STEEL			
BARREL	3957	kg	
WINGS ETC.	152	kg	
TOTAL	4109	kg	
RIGHT EXTENSION REINFORCING STEEL		-	
BARREL	519	kg	
WINGS ETC.	111	kg	1000
TOTAL	630	kg	
GRAND TOTAL REINFORCING STEEL	4739	_kg	
CULVERT EXCAVATION	LU	MP SUM	Section 1





PROJECT NO. R-2562C

BLADEN county

STATION: 155+04.780 -L- REV

SHEET 1 OF 8

STATE OF NORTH CAROLINA

DEPARTMENT OF TRANSPORTATION
RALEIGH

SINGLE CONCRETE BOX CULVERT LEFT & RIGHT EXTENSION

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REVISIONS					SHEET NO.		
NO.	BY:	DATE:	NO.	BY:	DATE:	C-5	
1			3			TOTAL SHEETS	
2			4			12	



